

US005191645A

[11] Patent Number:

5,191,645

[45] Date of Patent:

Mar. 2, 1993

[54] DIGITAL SIGNAL PROCESSING SYSTEM EMPLOYING ICON DISPLAYS

United States Patent [19]

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[21] Appl. No.: 660,662

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[22] Filed: Feb. 28, 1991

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[57] ABSTRACT

A method and system for generating icon displays representing digitized film scenes and scene processing operations, and manipulating the icon displays to initiate selected processing operations (such as transfers from one storage location to another) on the scenes. The invention can be embodied in a film scanning system having circuitry for digitizing scanned film images, for digitally correcting the digitized scanned images, and for inserting video sync information into the corrected images to convert the corrected images into a video signal. The system is also capable of inserting digital data in such a video signal, such as film in and out points, and data identifying a video storage location, and then storing the resulting video signal as a video format scene. In addition to generating a scene from a sequence of digitized film frames and related digital data, the system of the invention generates an icon representing the scene by compressing a selected one of the frames in the sequence. In response to a user command for information regarding a scene, the system displays the compressed scene image and other relevant scene data. The system also displays scene processing icons. In response to user selection of a scene icon and a scene processing icon, the system executes the corresponding processing operation on the corresponding scene.

34 Claims, 11 Drawing Sheets

